

Release notes for ENDF/B Development photoat-092_U_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=9200, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=9200, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      172 TO      213
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=9200, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=9200, MF= 1, MT=451
MOD =      3 OUT OF RANGE      0 -      1      RECORD NUMBER      172
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=501 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9200, MF=23, MT=501
SECTION 23/501 NOT IN DIRECTORY      RECORD NUMBER      215
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=502 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9200, MF=23, MT=502
SECTION 23/502 NOT IN DIRECTORY      RECORD NUMBER      1349
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=504 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9200, MF=23, MT=504
SECTION 23/504 NOT IN DIRECTORY      RECORD NUMBER      1893
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=515 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9200, MF=23, MT=515
SECTION 23/515 NOT IN DIRECTORY      RECORD NUMBER      1934
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=516 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=9200, MF=23, MT=516
SECTION 23/516 NOT IN DIRECTORY      RECORD NUMBER      1969
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=517 (0): Directory (b)

ERROR(S) FOUND IN MAT=9200, MF=23, MT=517
SECTION 23/517 NOT IN DIRECTORY RECORD NUMBER 2025

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=522 (0): Directory (b)

ERROR(S) FOUND IN MAT=9200, MF=23, MT=522
SECTION 23/522 NOT IN DIRECTORY RECORD NUMBER 2067

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=534 (0): Directory (b)

ERROR(S) FOUND IN MAT=9200, MF=23, MT=534
SECTION 23/534 NOT IN DIRECTORY RECORD NUMBER 2590

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=535 (0): Directory (b)

ERROR(S) FOUND IN MAT=9200, MF=23, MT=535
SECTION 23/535 NOT IN DIRECTORY RECORD NUMBER 2610

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=536 (0): Directory (b)

ERROR(S) FOUND IN MAT=9200, MF=23, MT=536
SECTION 23/536 NOT IN DIRECTORY RECORD NUMBER 2633

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=537 (0): Directory (b)

ERROR(S) FOUND IN MAT=9200, MF=23, MT=537
SECTION 23/537 NOT IN DIRECTORY RECORD NUMBER 2655

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=538 (0): Directory (b)

ERROR(S) FOUND IN MAT=9200, MF=23, MT=538
SECTION 23/538 NOT IN DIRECTORY RECORD NUMBER 2678

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=539 (0): Directory (b)

ERROR(S) FOUND IN MAT=9200, MF=23, MT=539
SECTION 23/539 NOT IN DIRECTORY RECORD NUMBER 2704

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=540 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9200, MF=23, MT=540 | RECORD NUMBER | 2730 |
| SECTION 23/540 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=541 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9200, MF=23, MT=541 | RECORD NUMBER | 2757 |
| SECTION 23/541 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=542 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9200, MF=23, MT=542 | RECORD NUMBER | 2785 |
| SECTION 23/542 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=543 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9200, MF=23, MT=543 | RECORD NUMBER | 2814 |
| SECTION 23/543 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=544 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9200, MF=23, MT=544 | RECORD NUMBER | 2840 |
| SECTION 23/544 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=545 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9200, MF=23, MT=545 | RECORD NUMBER | 2871 |
| SECTION 23/545 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=546 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9200, MF=23, MT=546 | RECORD NUMBER | 2901 |
| SECTION 23/546 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=547 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=9200, MF=23, MT=547 | RECORD NUMBER | 2937 |
| SECTION 23/547 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=548 (0): Directory (b)

- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=548 | |
| | SECTION 23/548 NOT IN DIRECTORY | RECORD NUMBER 2975 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=549 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=549 | |
| | SECTION 23/549 NOT IN DIRECTORY | RECORD NUMBER 3031 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=550 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=550 | |
| | SECTION 23/550 NOT IN DIRECTORY | RECORD NUMBER 3087 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=551 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=551 | |
| | SECTION 23/551 NOT IN DIRECTORY | RECORD NUMBER 3116 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=552 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=552 | |
| | SECTION 23/552 NOT IN DIRECTORY | RECORD NUMBER 3153 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=553 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=553 | |
| | SECTION 23/553 NOT IN DIRECTORY | RECORD NUMBER 3187 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=554 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=554 | |
| | SECTION 23/554 NOT IN DIRECTORY | RECORD NUMBER 3242 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=555 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=555 | |
| | SECTION 23/555 NOT IN DIRECTORY | RECORD NUMBER 3299 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=556 (0): Directory (b)

- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=556 | |
| | SECTION 23/556 NOT IN DIRECTORY | RECORD NUMBER 3382 |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=559 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=559 | |
| | SECTION 23/559 NOT IN DIRECTORY | RECORD NUMBER 3464 |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=560 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=560 | |
| | SECTION 23/560 NOT IN DIRECTORY | RECORD NUMBER 3499 |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=561 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=561 | |
| | SECTION 23/561 NOT IN DIRECTORY | RECORD NUMBER 3539 |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=562 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=562 | |
| | SECTION 23/562 NOT IN DIRECTORY | RECORD NUMBER 3578 |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=563 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=563 | |
| | SECTION 23/563 NOT IN DIRECTORY | RECORD NUMBER 3638 |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=23, MT=570 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=23, MT=570 | |
| | SECTION 23/570 NOT IN DIRECTORY | RECORD NUMBER 3697 |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=27, MT=502 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=9200, MF=27, MT=502 | |
| | SECTION 27/502 NOT IN DIRECTORY | RECORD NUMBER 3736 |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=27, MT=504 (0): Directory (b)

ERROR(S) FOUND IN MAT=9200, MF=27, MT=504
SECTION 27/504 NOT IN DIRECTORY

RECORD NUMBER 3787

40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=27, MT=505 (0): Directory (b)

ERROR(S) FOUND IN MAT=9200, MF=27, MT=505
SECTION 27/505 NOT IN DIRECTORY

RECORD NUMBER 3839

41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=9200, MF=27, MT=506 (0): Directory (b)

ERROR(S) FOUND IN MAT=9200, MF=27, MT=506
SECTION 27/506 NOT IN DIRECTORY

RECORD NUMBER 4069

- fudge-4.0 Warnings:

1. generic warning message
reaction label 0: U + gamma [coherent] / Product: gamma (Error # 0): Warning

WARNING: coherentScattering is not a valid distribution component for 2-body reaction

2. FIXME: Generic fudge unimplemented message
reaction label 0: U + gamma [coherent] / Product: gamma (Error # 2): Generic unimp (c)

WARNING: Checking not yet implemented for pointwise type data

3. generic warning message
reaction label 1: U + gamma [incoherent] / Product: gamma (Error # 0): Warning

WARNING: incoherentScattering is not a valid distribution component for 2-body reaction

4. FIXME: Generic fudge unimplemented message
reaction label 1: U + gamma [incoherent] / Product: gamma (Error # 2): Generic unimp (c)

WARNING: Checking not yet implemented for piecewise type data

5. Cross sections do not correctly sum up properly according to an ENDF (or equivalent) sumrule
summedReaction label 33: total (Error # 0): Sumrule

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 100.00%

6. Cross sections do not correctly sum up properly according to an ENDF (or equivalent) sumrule
summedReaction label 35: photoelectric absorption (Error # 0): Sumrule

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 61.89%

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: $U + \gamma$ [coherent] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1. eV!
2. 2-body reaction not in center-of-mass frame
reaction label 0: $U + \gamma$ [coherent] / Product: γ (Error # 1): 2-body not in COM

WARNING: 2-body reaction not in center-of-mass frame!
3. Calculated and tabulated thresholds don't agree
reaction label 1: $U + \gamma$ [incoherent] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1. eV!
4. 2-body reaction not in center-of-mass frame
reaction label 1: $U + \gamma$ [incoherent] / Product: γ (Error # 1): 2-body not in COM

WARNING: 2-body reaction not in center-of-mass frame!
5. Energy range of data set does not match cross section range
reaction label 1: $U + \gamma$ [incoherent] / Product: γ / Distribution incoherentScattering - piecewise: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (0.0 -> 1000000000.0) vs (1.0 -> 1e+11)
6. Calculated and tabulated thresholds don't agree
reaction label 2: $e^- + e^+ + U$ [electron field] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2.044e6 eV!
7. Calculated and tabulated thresholds don't agree
reaction label 3: $e^- + e^+ + U$ [nuclear field] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1.022e6 eV!
8. Calculated and tabulated thresholds don't agree
reaction label 4: $e^- + U1s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 116110. eV!
9. Calculated and tabulated thresholds don't agree
reaction label 5: $e^- + U2s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 21768. eV!
10. Calculated and tabulated thresholds don't agree
reaction label 6: $e^- + U2p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 21044. eV!

11. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + U2p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 17182. eV!
12. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + U3s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5521.3 eV!
13. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + U3p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5181.5 eV!
14. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + U3p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4289.6 eV!
15. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + U3d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3736.8 eV!
16. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + U3d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3555.2 eV!
17. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + U4s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1419.9 eV!
18. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + U4p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1264.2 eV!
19. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + U4p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1030.5 eV!
20. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + U4d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 778.1799999999999 eV!
21. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + U4d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 735.14 eV!

22. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + U4f5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 402.09 eV!
23. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + U4f7/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 390.75 eV!
24. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + U5s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 320.65 eV!
25. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + U5p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 259.38 eV!
26. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + U5p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 203.39 eV!
27. Calculated and tabulated thresholds don't agree
reaction label 23: $e^- + U5d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 112.35 eV!
28. Calculated and tabulated thresholds don't agree
reaction label 24: $e^- + U5d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 104.02 eV!
29. Calculated and tabulated thresholds don't agree
reaction label 25: $e^- + U5f5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 8.91 eV!
30. Calculated and tabulated thresholds don't agree
reaction label 26: $e^- + U5f7/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 7.95 eV!
31. Calculated and tabulated thresholds don't agree
reaction label 27: $e^- + U6s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 52.23 eV!
32. Calculated and tabulated thresholds don't agree
reaction label 28: $e^- + U6p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 34.09 eV!

33. Calculated and tabulated thresholds don't agree
reaction label 29: $e^- + U6p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 24.57 eV!
34. Calculated and tabulated thresholds don't agree
reaction label 30: $e^- + U6d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4.74 eV!
35. Calculated and tabulated thresholds don't agree
reaction label 31: $e^- + U6d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4.13 eV!
36. Calculated and tabulated thresholds don't agree
reaction label 32: $e^- + U7s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5.78 eV!
37. Calculated and tabulated thresholds don't agree
summedReaction label 33: total / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1. eV!
38. Calculated and tabulated thresholds don't agree
summedReaction label 34: pair product / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1.022e6 eV!
39. Calculated and tabulated thresholds don't agree
summedReaction label 35: photoelectric absorption / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4.13 eV!

- **xsectplotter** Warnings:

1. Encountered runtime warning in xsectplotter or Fudge or matplotlib
Error: RuntimeWarning

```
stderr while processing crossSection
```

```
/usr/local/lib/python2.7/site-packages/matplotlib-1.3.1-py2.7-linux-x86_64.egg/matplotlib/pyplot.py:412: RuntimeWarning: ... [3 more lines]
```